

Product datasheet for **SC326160**

TLK1 (NM_001136555) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TLK1 (NM_001136555) Human Untagged Clone
Tag:	Tag Free
Symbol:	TLK1
Synonyms:	PKU-beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

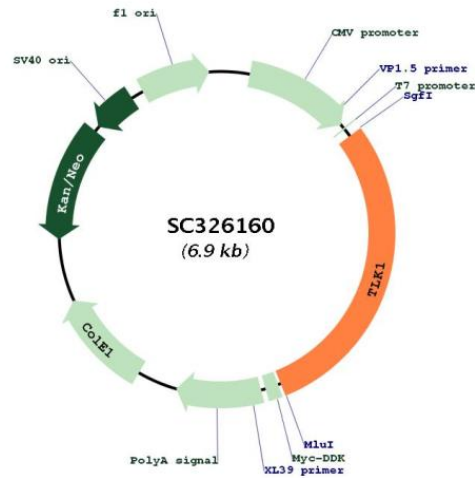


[View online »](#)

Fully Sequenced ORF: >SC326160 representing NM_001136555.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGTTTTATTCTTGTATGATTTGAAAACACTGGCAAGACACCGGAGAAGAAACAATCGGAATCA
TCCAGGGGAAGAAAGAGAAAAGCAGAAAACAGAAATGAAAGTAGTCAGGGAAAAAGTATTGGGGACGT
GGCCACAAAATTAGCGACTATTTTGAATACCAGGGTGGAAATGGCTCAAGTCCAGTAAGAGGCATACCT
CCTGCAATCCGTTCTCCTCAAAATTCACATTCACATTCCTCCTCCTCATCTGTTTCGACCGAATAGC
CCTTCTCCTACTGCATTAGCATTGGGGACCACCTATTGTACAACCAAAGCAATTATCCTTTAAAATT
ATTCAGACTGATCTCACAATGCTGAAATTAGCAGCATTAGAAAGTAATAAAATCCAGGACCTGAAAAAG
AAGGAGGGACGTATAGATGATTTGCTCAGGGCTAACTGTGATCTCAGACGGCAAATAGATGAACAACAA
AAATTACTGAAAAATACAAAGAACGATTAATAAAGTGCATATCAATGAGCAAGAAACTTCTTATTGAA
AAGAGTACACAAGAAAAGCTGTCAAGCAGAGAGAAGATGCAAGATCGATTACGCCTCGGGCACTTT
ACAACAGTTAGACATGGCGCTTCATTTACTGAACAATGGACAGATGGTTTTGCATTTCAGAACTTGTG
AAGCAACAAGAAATGGGTGAATCAGCAAAGGGAAGATATTGAAAGGCAAAGGAAACTTCTAGCCAAACGC
AAACCTCCCACAGCTAATAATTCTCAGGCACCCTTACCAATTCTGAACCAAAACAAAGGAAAAACAAA
GCAGTCAATGGAGCAGAGAATGATCCCTTTGTTAGACCAAATTTACCACAACCTGTTGACTTTGGCAGAA
TATCATGAACAGGAAGAAATTTCAAACCTAGACTAGGACATCTCAAAAAGGAAGAGGCAGAAATCCAG
GCAGAACTTGAACGTTTGGAAAGAGTCAGAAATCTTACATACGTGAGCTGAAAAGAATAAACAATGAA
GATAATTCACAGTTCAAAGATCACCCAACATTAATGAAAGATATTTTACTTTCATCTGCTTGGTAGA
GGTGGCTTTAGTGAAGTGTATAAGGCTTTTACCTTTATGAACAAAGATATGCTGCTGTGAAGATACAT
CAGCTTAATAAAAAGCTGGAGAGATGAGAAGAAAGAAAACCTACCACAACATGCCTGCAGAGAGTATAGA
ATACACAAGAACTGGATCACCCAGAATAGTTAACTCTATGATTATTTCTCCTTGGATACAGATACG
TTTTGTACAGTGTAGAATACTGTGAAGCAATGACTTGGATTTCTATCTGAAGCAACACAAGTTAATG
TCAGAGAAAGAAGCTCGGTCTATTGTAATGCAGATTGTAATGCACTAAGATATCTCAATGAGATCAAA
CCCCCTATTATACATTATGATCTTAAGCCAGGAAACATCCTACTGGTAGATGGAACAGCATGTGGTGAA
ATCAAAATCACTGATTTTGGTCTGTCCAAGATTATGGATGATGATAGCTATGGTGTAGATGGAATGGAT
CTAACTCCCAGGGGCGAGCCTTACTGGTATTTACCTCCTGAGTGTGTTTGTAGTTGAAAAGAGCCA
CCAAAGATTTCCAACAAGTTGATGTATGGTCGGTTGGAGTCATCTTCTTTCAGTGTCTTTATGGTAGA
AAGCCATTTGGTCACAATCAATCTCAACAAGACATTCTTCAAGAAAATACAATATTTAAAAGCCACAGAA
GTCCAGTTCCCTGTAACCAGGTTGTAAGCAGTGAAGCCAAGGCATTTATAAGACGCTGTTTGGCATAT
CGAAAAGAAGATCGATTTGATGTGCACCAGCTGGCAAATGACCCATACCTTCTCCACACATGAGAAGA
TCAAATTTCTCAGGAAACCTACACATGGCTGGGCTGACAGCATCCCTACACCCCTTCTTCAAGCATA
ATTACTTACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001136555

Insert Size: 2013 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001136555.1](#)

RefSeq Size: 5081 bp

RefSeq ORF: 2013 bp

Locus ID: 9874

UniProt ID: [Q9UKI8](#)

Cytogenetics: 2q31.1

Protein Families: Druggable Genome, Protein Kinase

MW: 77.1 kDa

Gene Summary: The protein encoded by this gene is a serine/threonine kinase that may be involved in the regulation of chromatin assembly. The encoded protein is only active when it is phosphorylated, and this phosphorylation is cell cycle-dependent, with the maximal activity of this protein coming during S phase. The catalytic activity of this protein is diminished by DNA damage and by blockage of DNA replication. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]
Transcript Variant: This variant (3) differs in the 5' UTR and coding region, and uses a downstream start codon, compared to variant 1, resulting in a shorter protein (isoform 3).